

OUR PRODUCTS

POLY GROUP products, have been extensively tested and proven to confirm to the relevant Egyptian & International Standard(s), where they exist.

This is your assurance that they are both safe to use and fit for purpose.

POLY GROUP with German high technology (Zenith 844 SC) introducing a wide product range of concrete products with different shapes and colors meeting standards that fits any needs.

**BS
6717/2005** **British
standard**

**BS En
1338/2003** **European
standard**

**ES
4382/2004** **Egyptian
standard**

**ASTM
C936 /2018** **American
standard**

RECTANGULAR PAVER

Product Description

Rectangular is composed of Portland cement with fine and coarse aggregates.

These materials after thorough mixing with an appropriate amount of water is compressed on a block machine & vibrated in molds to produce zero-slump concrete.

The rectangular concrete paver is the original and fundamental paver that forms the base for most projects and is excellent value for money.

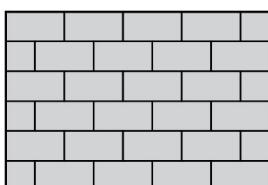
This paver is available in 6.8 cm height & in the colors: Gray, Black, Yellow & Red any client need.

It's very suitable for roads, footpaths, driveways, airports and ports.

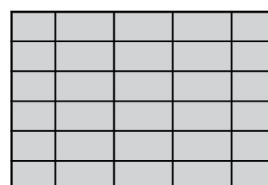


Pavement Patterns

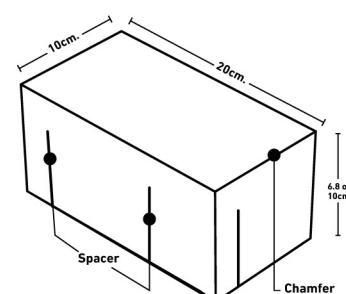
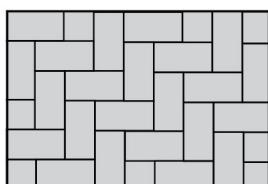
Running Bond



Stacked Bond



Herringbone



Applications



Pedestrian Walks
8-6cm



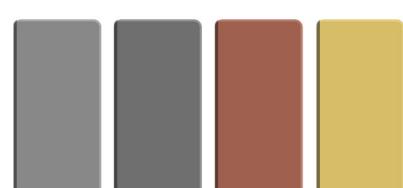
Car & Light Vehicle
Roads 8-6cm



Heavy Duty Roads
8cm Only



Available Colors



Technical Information

Width (cm)	Length (cm)	Thickness (cm)	Weight (Kg/m ²)	Comp. strength (Kg/cm ²)	No. of units (units/m ²)
10	20	6	140	250:600	50
		8	175	250:600	

We follow ES 4382/2004 - En 1338 - BS 6717/2005 - ASTM C936



SQUARE PAVER

Product Description

Square paver is composed of Portland cement with fine and coarse aggregates. These materials after thorough mixing with an appropriate amount of water are compressed on a block machine and vibrated in molds to produce zero-slump concrete.

The square concrete paver is versatile & popular, which can be laid in many different patterns.

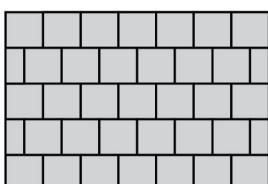
This paver is available in 6,8 cm height and in the colors:

gray, black, yellow, red. It is very suitable for footpaths, driveways and of Golf course ,gardens.

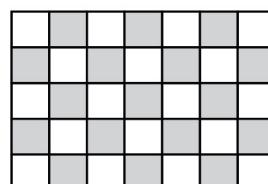


Pavement Patterns

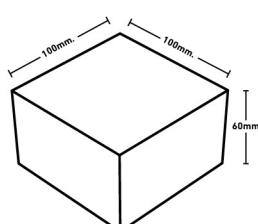
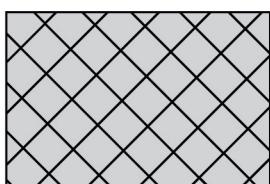
Running Bond



Checker Board



Diamond 45



Applications



Pedestrian Walks
8-6cm



Car & Light Vehicle
Roads 8-6cm



Heavy Duty Roads
8cm Only



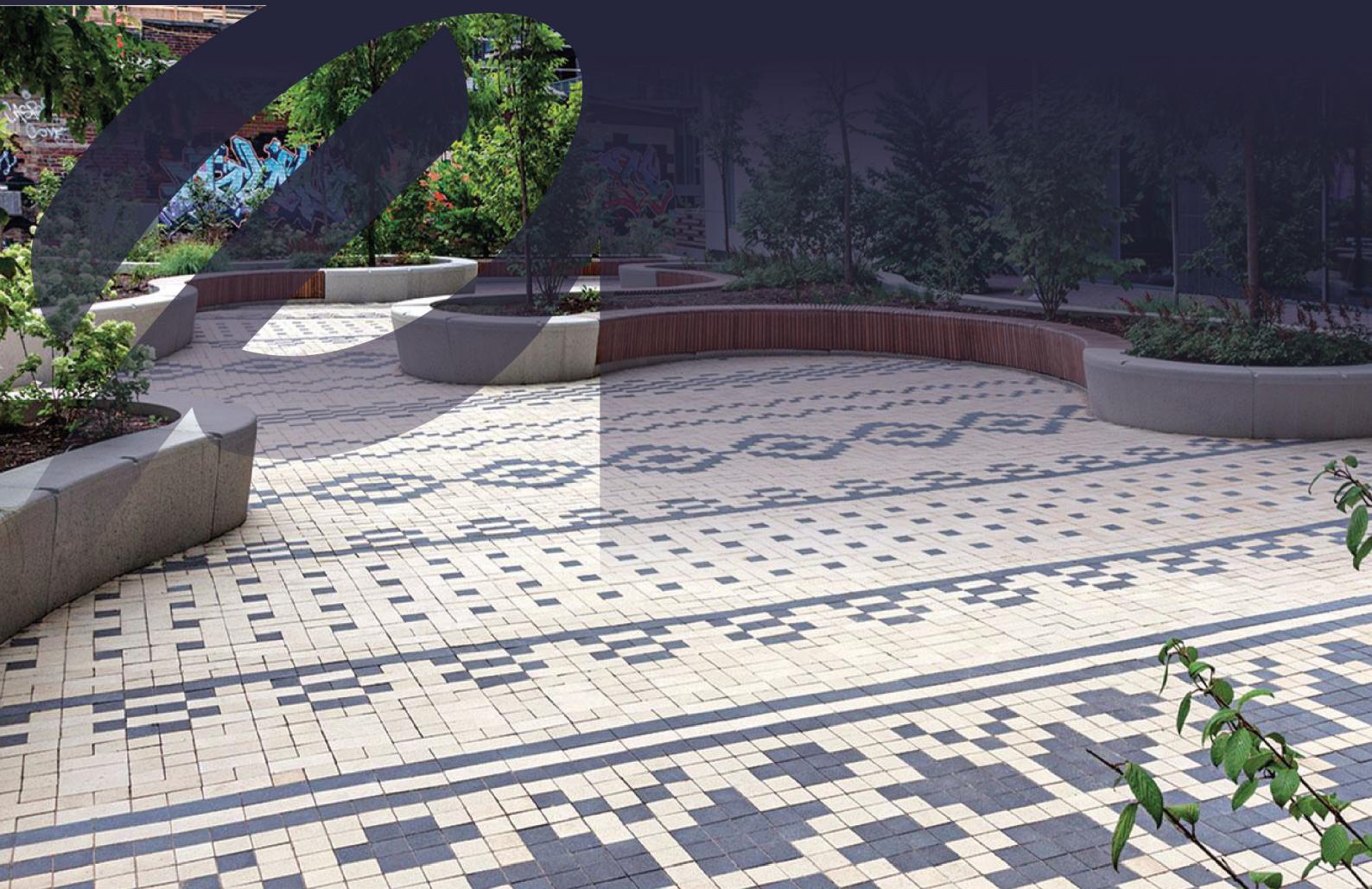
Available Colors



Technical Information

Width (cm)	Length (cm)	Thickness (cm)	Weight (Kg/m ²)	Comp. strength (Kg/cm ²)	No. of units (units/m ²)
10	10	6	130	250:500	100
		8	165	250:500	

We follow ES 4382/2004 - En 1338 - BS 6717/2005 - ASTM C936



BEHATON (I-SHAPE) PAVER

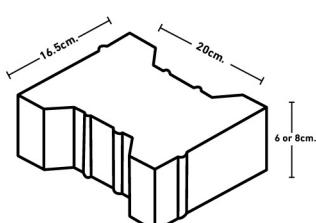
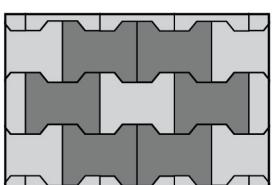
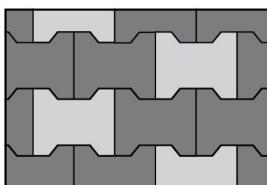
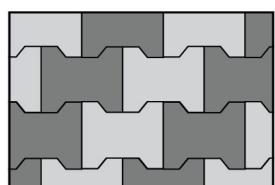
Product Description

Behaton – I-Shape is composed of Portland cement with fine and coarse aggregates. These materials after thorough mixing with an appropriate amount of water are compressed on a block machine and vibrated in molds to produce zero-slump concrete.

The Behaton paver is versatile and popular, which can be laid in many different patterns. This paver is available in 6, 8 cm height and in the colors: Gray, Black, Yellow, Red. It is very suitable for roads, footpaths, driveways and of course gardens.



Pavement Patterns



Applications



Pedestrian Walks
8-6cm



Car & Light Vehicle
Roads 8-6cm



Heavy Duty Roads
8cm Only

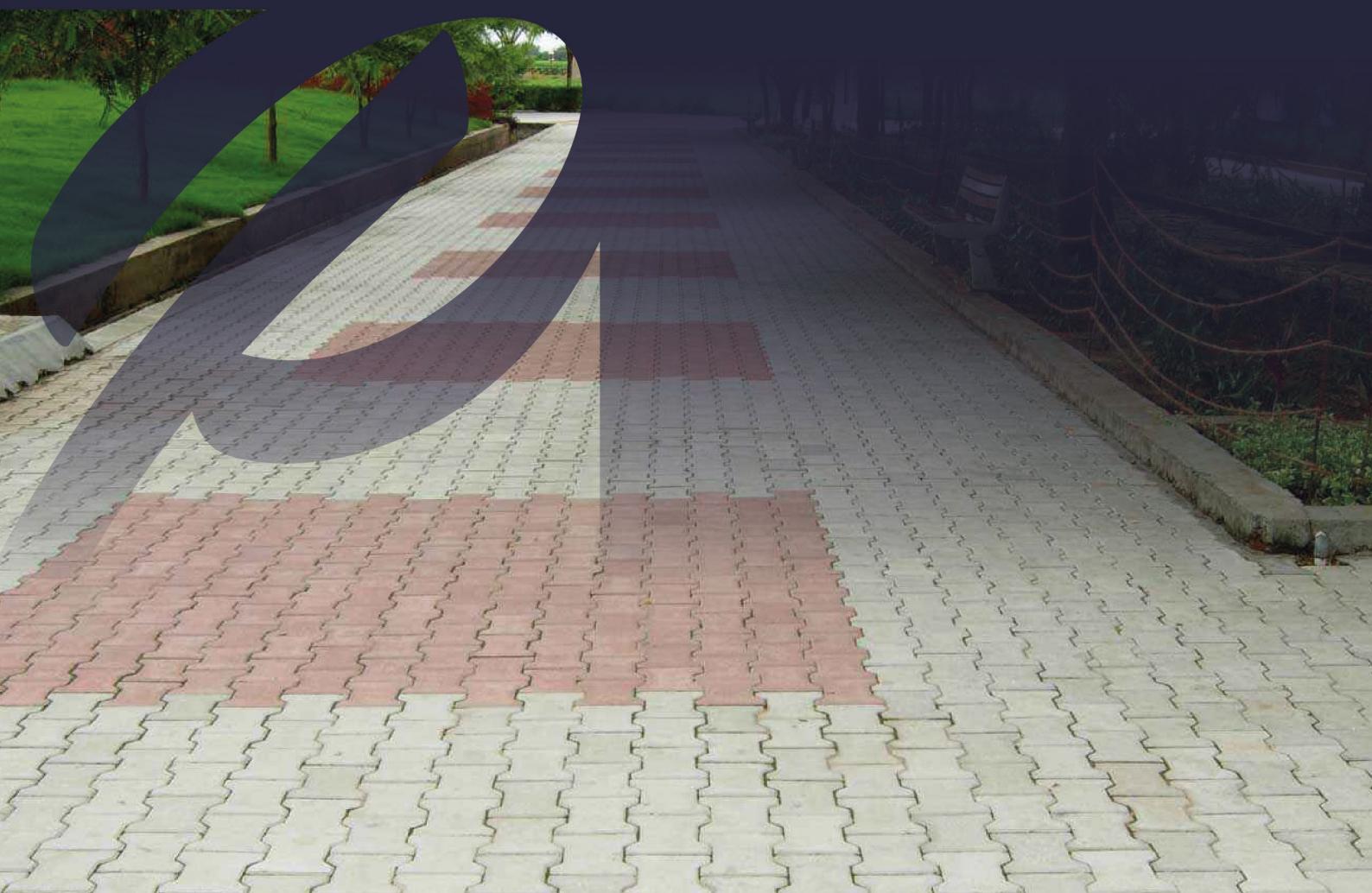
Available Colors



Technical Information

Width (cm)	Length (cm)	Thickness (cm)	Weight (Kg/m ²)	Comp. strength (Kg/cm ²)	No. of units (units/m ²)
20	16.5	6	135	250:550	36
		8	175	250:550	

We follow ES 4382/2004 - En 1338 - BS 6717/2005 - ASTM C936



HEXAGONAL PAVER

Product Description

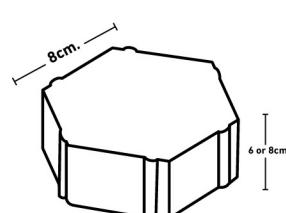
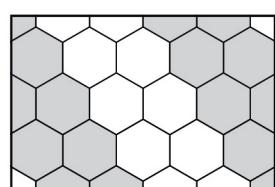
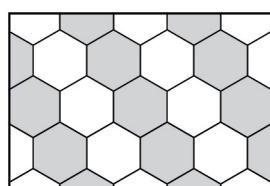
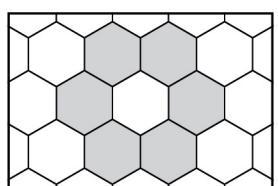
Hexagonal is composed of Portland cement with fine and coarse aggregates. These materials after thorough mixing with an appropriate amount of water are compressed on a block machine & vibrated in molds to produce zero-slump concrete.

The hexagonal concrete paver is versatile & popular, which can be laid in many different patterns. This paver is available in 6,8 cm height. This paver is available in 6,8 cm height and in the colors: Gray, Black, Yellow, Red. It is very suitable for roads, footpaths, driveways and of course gardens. Hex paver blocks are used to inter-connect to each other & form an outstanding pavement across homes, apartments and offices.

These Hex paver blocks are made up of highly tough, tensile and sturdy quality raw material which gives a skid proof & algae resistant pavement.



Pavement Patterns



Applications



Pedestrian Walks
8-6cm



Car & Light Vehicle
Roads 8-6cm



Heavy Duty Roads
8cm Only

Available Colors



Technical Information

Width (cm)	Length (cm)	Thickness (cm)	Weight (Kg/m ²)	Comp. strength (Kg/cm ²)	No. of units (units/m ²)
20	11.40	6	135	250:600	29
		8	160	250:600	

We follow ES 4382/2004 - En 1338 - BS 6717/2005 - ASTM C936



RANDOM PAVER

Product Description

Random is composed of Portland cement with fine & coarse aggregates.

These materials after mixing with an appropriate amount of water are compressed on a block machine & vibrated in molds to produce zero-slump concrete.

Trandom pattern consists of :

Three sizes are sold together in a combination 28 paver.

(30 x 20)

Nine large rectangles.

(20 x 20)

Eight medium squares.

(10 x 20)

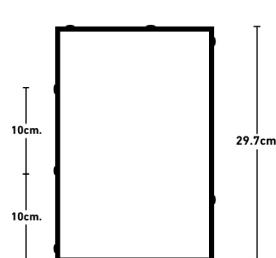
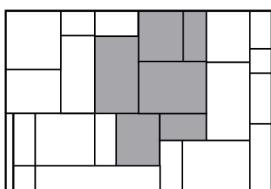
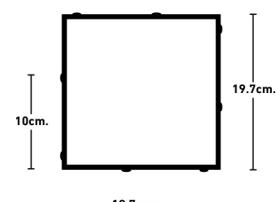
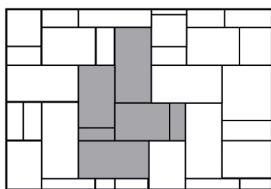
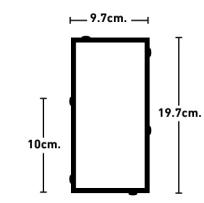
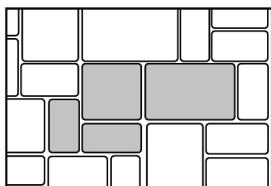
Eleven small rectangles.

This paver is available in 6, 8 cm height and in the colors: Gray, Black, Yellow, Red. It is very suitable for roads, footpaths, driveways and of course gardens.

One Layer from three sizes give us about (1.1 m²) in the module pattern.



Pavement Patterns



Applications



Pedestrian Walks
8-6cm



Car & Light Vehicle
Roads 8-6cm



Heavy Duty Roads
8cm Only



Available Colors



Technical Information

Width (cm)	Length (cm)	Thickness (cm)	Weight (Kg/m ²)	Comp. strength (Kg/cm ²)	No. of units (units/m ²)
20	10	6	140	250:600	50
		8	180	250:600	
20	20	6	140	250:600	25
		8	180	250:600	
20	30	6	140	250:600	16.7
		8	180	400:600	

We follow ES 4382/2004 - En 1338 - BS 6717/2005 - ASTM C936



SOLID BRICKS

Definition

Masonry units made of cement, sand, small aggregates, and water, molded under vibration or pressure.

Properties

- Strong and durable.
- Sometimes lighter than clay bricks (depending on type).
- Provides some thermal and sound insulation.

Uses:

- Internal and external walls.
- Boundary walls.
- Structural load-bearing walls (in some cases).



Technical Information
Solid Bricks 10

Dimensions	6 x 10 x 20 CM
Strength	70 KG / CM2
Average Density	2000
Average Absorption Rate	7 %
Fire Resistance From	2 Hours
Number Of Meters	12 M2
Number Of Pieces /M2	83.3 Pcs

Solid Bricks 12

Dimensions	6 x 12 x 25 CM
Strength	70 KG / CM2
Average Density	2000
Average Absorption Rate	7 %
Fire Resistance From	2 Hours
Number Of Meters	12 M2
Number Of Pieces /M2	66.6.3 Pcs

According To Egyptian Standard ES 1292 / ASTM C 129



HOLLOW BLOCKS

Definition

A type of cement block with hollow cavities that reduce weight and improve insulation.

Properties

- Lighter than solid blocks.
- Better thermal and sound insulation.
- Easy to handle and finish.

Uses:

- Non-load-bearing internal and external walls.
- Multi-story buildings to reduce structural weight.



Technical Information
Hollow Blocks 10

Dimensions	10 x 20 x40 CM
Strength	40 KG / CM2
Average Density	2000
Average Absorption Rate	7 %
Fire Resistance From	2 Hours
Number Of Meters	80 M2
Number Of Pieces /M2	12.5 Pcs

Hollow Blocks 12

Dimensions	12 x 20 x40 CM
Strength	40 KG / CM2
Average Density	2000
Average Absorption Rate	7 %
Fire Resistance From	2 Hours
Number Of Meters	80 M2
Number Of Pieces /M2	12.5 Pcs

According To Egyptian Standard
 ES 1292 / ASTM C 129

Hollow Blocks 20

Dimensions	20 x 20 x 40 CM
Strength	40 KG / CM2
Average Density	2000
Average Absorption Rate	7 %
Fire Resistance From	2 Hours
Number Of Meters	80 M2
Number Of Pieces /M2	12.5 Pcs

Hollow Blocks 25

Dimensions	20 x 25 x 40 CM
Strength	40 KG / CM2
Average Density	2000
Average Absorption Rate	7 %
Fire Resistance From	2 Hours
Number Of Meters	80 M2
Number Of Pieces /M2	12.5 Pcs



MEDIUM CURBSTONE

Definition

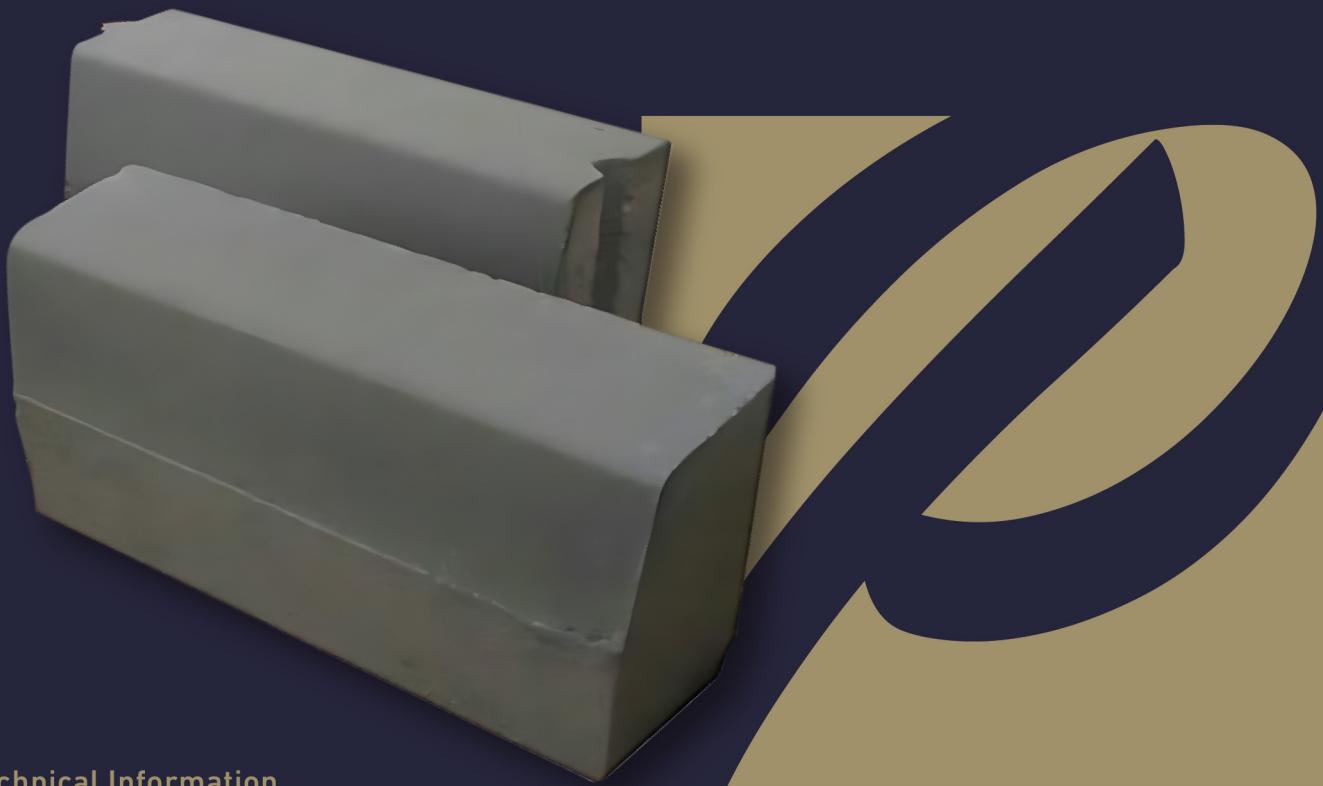
Large concrete units used to separate traffic lanes in road medians.

Properties

- Strong and resistant to impact.
- Larger in size.

Uses:

- Dividing highways and main streets.
- Controlling and organizing traffic flow.



Technical Information

Dimensions	12/ 15X30X50 CM
Weight	90 KG
Number Of Pieces /M2	2 Pcs

GARDEN CURBSTONE

Definition

Small-sized concrete blocks used as borders to separate green areas or planting beds.

Properties

- Smaller in dimensions than other types of curbstones.
- Decorative in appearance.

Uses:

- Defining garden edges.
- Surrounding flower beds and landscaping areas.



Technical Information

Dimensions	8/ 10x30x50 CM
Weight	40 KG
Number Of Pieces /M2	2 Pcs

HEAVY-DUTY

Definition

Thick and heavy concrete curbstones designed to withstand high loads

Properties

- Very durable and resistant.
- Practical in shape, not decorative.

Uses:

- Sidewalks on main roads.
- Garage entrances.
- Areas exposed to heavy vehicle loads.



Technical Information

Dimensions	30/ 25X30X50 CM
Weight	185 KG
Number Of Pieces /M2	2 Pcs

TERRAZZO TILES

Definition

Cement tiles with a top layer consisting of cement mixed with marble chips, granite, or colored stones. After pressing, the surface is ground and polished to achieve a glossy, decorative finish.

Properties

- Decorative, smooth, glossy, and durable.

Uses:

- Widely used in high-traffic areas (schools, hospitals, building entrances).
- Suitable for both indoor and outdoor flooring.



MOSAIC TILES

Definition

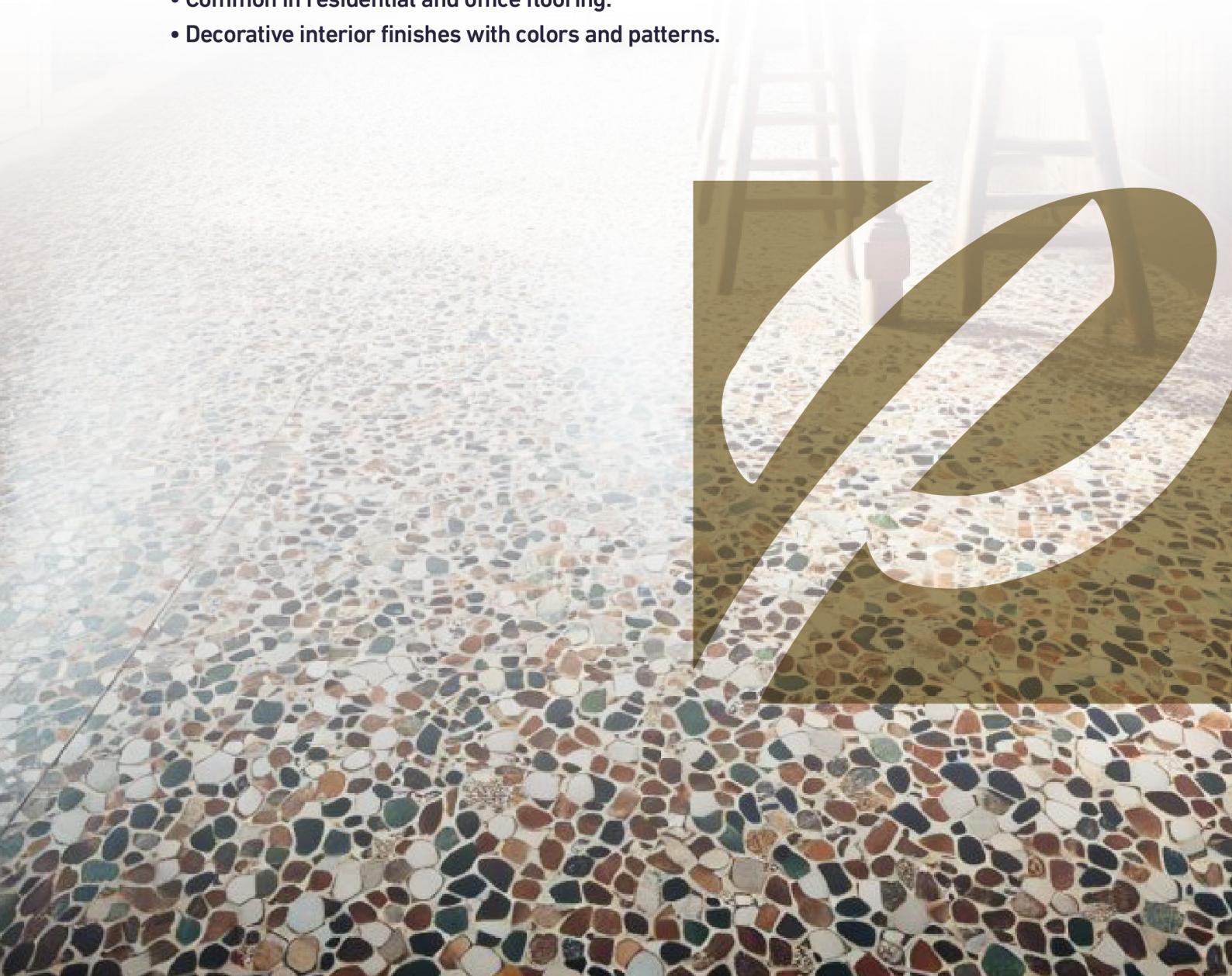
Cement-based tiles made of two layers: a base cement layer and a top layer of white cement mixed with marble powder and fine granite or marble chips. The surface is polished to achieve a smooth, elegant look.

Properties

- Finer and smoother than Bazillion, more detailed than terrazzo, and can be polished for decorative appearance.

Uses:

- Common in residential and office flooring.
- Decorative interior finishes with colors and patterns.



BAZILLION TILES

Definition

A type of cement tile, similar to terrazzo or mosaic but simpler and more economical.

It is made of a cement mixture with fine or medium aggregates (stone chips) without a decorative top layer like terrazzo or mosaic.

Properties

Relatively rough surface, not glossy. Durable but basic in appearance.

Uses:

- Commonly used in service areas (warehouses, garages, roofs, staircases, utility spaces).
- Withstands heavy loads.
- Low-cost and easy to maintain

